

3.2 [Intentionally Deleted]

3.3 Each Party will provide the other Party written notice of which Local Service Bills are to be deemed the official bills. If either Party requests an additional copy(ies) of a bill, such Party shall pay the other Party a reasonable fee per additional bill copy or transmission as the case may be, unless such copy or transmission was requested due to errors, omissions, or corrections or the failure of the transmission to comply with the specifications set forth in this Agreement.

3.4 To avoid transmission failures or the receipt of Local Service Billing information that cannot be processed, the Parties shall provide each other with their respective process specifications and edit requirements. AT&T shall comply with GTE's processing specifications when AT&T transmits Local Service Billing data to GTE. GTE shall comply with AT&T's processing specifications when GTE transmits Local Service Billing data to AT&T. AT&T and GTE shall provide each other reasonable notice if a Local Service Billing transmission is received that does not meet such Party's specifications or that such Party cannot process. Such transmission shall be corrected and resubmitted to the other Party, at the resubmitting Party's sole expense, in a form that can be processed. The Payment Due Date for such resubmitted transmissions will be twenty (20) days from the date that the transmission is received in a form that can be processed and that meets the specifications set forth in this Attachment.

4. Electronic Transmissions of Local Services Bills

4.1 GTE and AT&T agree that on or as soon after July 1, 1998 as possible and following implementation of information delivery via EDI format pursuant to Section 3.1.2 of this Appendix A, each Party will transmit Billing information and data in the appropriate EDI format electronically via Connect: Direct (formerly known as Network Data Mover) to the other Party at the location specified by the Party. The Parties agree that a T1.5 or 56kb circuit to Gateway for Connect: Direct is required. AT&T data centers will be responsible for originating the calls for data transmission via switched 56kb or T1.5 lines. If GTE has an established Connect: Direct link with AT&T, that link can be used for data transmission if the location and applications are the same for the existing link. Otherwise, a new link for data transmission must be established. GTE must provide AT&T/Alpharetta its Connect: Direct Node ID and corresponding VTAM APPL ID before the first transmission of data via Connect:Direct. AT&T's Connect: Direct Node ID is "GTEDS.TTG" and VTAM APPL ID is "TSANDM" and must be included in LEC's Connect:Direct software. AT&T will supply to GTE its RACF ID and password before the first transmission of data via Connect:Direct. Any changes to either Party's

Connect: Direct Node ID must be sent to the other Party no later than twenty-one (21) calendar days before the changes take effect.

- 4.2 The following dataset format shall be used as applicable for those Charges transmitted via Connect:Direct in EDI format:

Production Dataset

AF02.P.GTEXX.DATA.gdg	Production Dataset Name
AF02=	Job Naming Convention
P=	Production Node
GTEXX=	Company Name followed by XX
DATA=	Data received
gdg=	each transmission will be received as a generation (gdg) file

Test Dataset

AF02.P.GTEXX.TEST.DATA	Test Dataset Name
AF02 =	Job Naming Convention
P=	Production Node
GTEXX=	Company Name followed by XX
TEST =	Test Node
DATA =	Data Received

- 4.2.1 GTE agrees that if it transmits data to AT&T in a mechanized format utilizing EDI, GTE will also comply with the following specifications which are not contained in EDI guidelines but which are necessary for AT&T to process Billing information and data:

- The BAN shall not contain embedded spaces or low values.
- The Bill Date shall not contain spaces or non-numeric values.
- Each Bill must contain at least one detail record.
- Any "From" Date should be less than the associated "Thru" Date and neither date can contain spaces.
- The Invoice Number must not have embedded spaces or low values.
- State code representing the BAN location will be provided as a two byte character format.

5. **Testing Requirements**

- 5.1 The Parties will jointly develop a test procedure prior to sending mechanized bills or data to ensure to the satisfaction of each Party that bills may be processed as required in this Agreement.
- 5.2 GTE shall provide to AT&T's Company Manager, located at 500 North Point Parkway, FLOC B1104B, Alpharetta, Georgia 30302, GTE's originating or state level company code so that it may be added to AT&T's internal tables at least thirty (30) calendar days prior to testing or prior to a change in GTE's originating or state level company code.
- 5.3 During the testing period, GTE shall transmit to AT&T any Billing data and information via electronic transmission as specified in Section 4. Test data shall be sent via tape, or other media mutually agreed to by both Parties, to AT&T at the following location:

Test Tapes:	AT&T 500 North Point Parkway FLOC B1104B Alpharetta, Georgia 30302 Attn: Access Bill Testing Coordinator
-------------	---

ATTACHMENT 6B

UNBUNDLED NETWORK ELEMENTS BILLING AND RECORDING

TABLE OF CONTENTS

APPENDIX B	1
UNBUNDLED NETWORK ELEMENT BILLING AND RECORDING	1
1. General.....	1
2. Billable Information And Charges	1
3. Collocation.....	3
4. Issuance of Unbundled Network Element Bills - General	3
5. Electronic Transmissions of Unbundled Network Element Bills.....	4
6. Testing Requirements	5
7. Local Number Portability	6

APPENDIX B UNBUNDLED NETWORK ELEMENT BILLING AND RECORDING

1. General

This Section contains the provisions applicable to the billing and recording of all charges AT&T incurs for purchasing Unbundled Network Elements **and/or Combinations of Unbundled Network Elements**.

[Combinations]

2. Billable Information And Charges

2.1 GTE will bill and record in accordance with this Agreement those **Combinations** charges AT&T incurs as a result of AT&T purchasing from GTE Unbundled Network Elements **and/or Combinations of Unbundled Network Elements** as set forth in this Agreement (hereinafter "Unbundled Network Element Charges"). Each such Element, **or Combination thereof** purchased by AT&T shall be assigned a separate and unique billing code in the form agreed to by the Parties and such code shall be provided to AT&T on each Unbundled Network Element Bill in which charges for such Elements, **or Combinations** appear. Each such billing code shall enable AT&T to identify the Element(s), **or Combinations**, Objects and Options as described in Attachment 4 to this Agreement ordered or utilized by AT&T in which Unbundled Network Element Charges apply pursuant to this Agreement. Each Unbundled Network Element Bill shall set forth the quantity and description of each such Element, **or Combination** provided and billed to AT&T. All Unbundled Network Element Charges billed to AT&T must indicate the state from which such charges were incurred.

[Combinations]

2.2 GTE shall provide AT&T a monthly Unbundled Network Element Bill that includes all Unbundled Network Element Charges incurred by and credits and/or adjustments due to AT&T for those Elements, **or Combination thereof**, ordered, established, utilized, discontinued or performed pursuant to this Agreement. Each Unbundled Network Element Bill provided by GTE to AT&T shall include: (1) all non-usage sensitive charges incurred for the period beginning with the day after the current bill date and extending to, and including, the next bill date, (2) any known unbilled non-usage sensitive charges for prior periods, (3) unbilled usage sensitive charges for the period

beginning with the day after the last bill date and extending up to, and including, the current bill date unless otherwise agreed between the Parties, (4) any known unbilled usage sensitive charges for prior periods, and (5) any known unbilled adjustments.

[Combinations]

- 2.3 The Bill Date must be present on each bill transmitted by GTE to AT&T. Unbundled Network Element Bills shall not be rendered for any Unbundled Network Element Charges which are incurred under this Agreement on or before one (1) year preceding the Bill Date, except for charges resulting from an audit conducted pursuant to Section 2.1.4 of Attachment 6. In addition, on each bill where "Jurisdiction" is identified, Local Traffic charges shall be identified as "Local" and local toll charges shall be identified as intrastate/intraLATA.

- 2.4 GTE shall bill AT&T for each Element, or **Combination thereof**, supplied by GTE to AT&T pursuant to this Agreement at the rates set forth in this Agreement. GTE will bill AT&T based on the actual Unbundled Network Element Charges incurred, provided, however, for those usage based Unbundled Network Element Charges where actual charge information is not determinable by GTE because the jurisdiction (i.e., interstate, interstate/interLATA, intrastate, intrastate/intraLATA, local) of the traffic is unidentifiable, the Parties will jointly develop a process to determine the appropriate charges. Measurement of usage-based Unbundled Network Element Charges shall be in tenths of conversation seconds. The total conversation seconds per chargeable traffic types will be totalled for the entire monthly bill cycle and then rounded to the next whole minute.

[Combinations]

- 2.5 Costs and expenses incurred in complying with this Attachment shall be calculated and allocated in accordance with Sections 42 and 43 of Part V of this Agreement.
- 2.6 Each Party shall provide the other Party at no additional charge a contact person or center for the handling of any Unbundled Network Element Billing questions or problems that may arise during the implementation and performance of the terms and conditions of this Attachment.

3. Collocation

When AT&T collocates with GTE in GTE's facility as described in this Agreement, capital expenditures (e.g., costs associated with building the "cage"), shall be billed separately and shall not be included in the Unbundled Network Element Bill provided to AT&T pursuant to this Attachment. All such capital expenses shall be given a unique BAN (as defined in Section 2.2.1 of Attachment 6 to this Agreement) and invoice number. All invoices for capital expenses shall be sent to the location specified by AT&T for payment. All other non-capital recurring collocation expenses shall be billed to AT&T in accordance with this Agreement. The applicable CABS Billing Output Specifications ("BOS") documents provide the guidelines on how to bill the Unbundled Network Element Charges associated with collocation. The bill label for those collocation charges shall be entitled "Expanded Interconnection Service." For those nonmechanized Unbundled Network Element bills, the bill label for non-capital recurring collocation expenses shall be entitled "Collocation."

4. Issuance of Unbundled Network Element Bills - General

4.1 GTE and AT&T shall issue Unbundled Network Element Bills as follows:

4.1.1 Until the such time as the Parties agree otherwise GTE and AT&T shall issue the information contained in official Unbundled Network Element Bills via EDI.

4.1.2 GTE and AT&T will jointly work together such that on or as soon after July 1, 1999 as possible, GTE and AT&T shall issue the information contained in all official Unbundled Network Element Bills in accordance with the format set forth in CABS BOS Version 28.0, or such later BOS versions that are requested by AT&T and available from GTE at the time of such request and as mutually agreed by the Parties.

4.2 [Intentionally Deleted]

4.3 Each Party will provide the other Party written notice of which Unbundled Network Element Bills are to be deemed the official bills. If either Party requests an additional copy(ies) of a bill, such Party shall pay the other Party a reasonable fee per additional bill copy or transmission, as the case may be, unless such copy or transmission was requested due to errors, omissions, or corrections or the failure of the transmission to comply with the specifications set forth in this Agreement.

4.4 To avoid transmission failures or the receipt of Unbundled Network Element Billing information that cannot be processed, the Parties shall provide each

other with their respective process specifications and edit requirements. AT&T shall comply with GTE's processing specifications when AT&T transmits Unbundled Network Element Billing data to GTE. GTE shall comply with AT&T's processing specifications when GTE transmits Unbundled Network Element Billing data to AT&T. AT&T and GTE shall provide each other reasonable notice if a Unbundled Network Element Billing transmission is received that does not meet such Party's specifications or that such Party cannot process. Such transmission shall be corrected and resubmitted to the other Party, at the resubmitting Party's sole expense, in a form that can be processed. The Payment Due Date for such resubmitted transmissions will be twenty (20) days from the date that the transmission is received in a form that can be processed and that meets the specifications set forth in this Attachment.

5. **Electronic Transmissions of Unbundled Network Element Bills**

[Intentionally Deleted]

- 5.1 GTE and AT&T agree that on or as soon after July 1, 1999 as possible and following implementation of information delivery via CABS format pursuant to Section 3.1.2 of this Appendix A, each Party will transmit Billing information and data in the appropriate CABS format electronically via Connect: Direct (formerly known as Network Data Mover) to the other Party at the location specified by the Party. The Parties agree that a T1.5 or 56kb circuit to Gateway for Connect: Direct is required. AT&T data centers will be responsible for originating the calls for data transmission via switched 56kb or T1.5 lines. If GTE has an established Connect:Direct link with AT&T, that link can be used for data transmission if the location and applications are the same for the existing link. Otherwise, a new link for data transmission must be established. GTE must provide AT&T/Alpharetta its Connect:Direct Node ID and corresponding VTAM APPL ID before the first transmission of data via Connect:Direct. AT&T's Connect: Direct Node ID is "NDMATT4" and VTAM APPL ID is "NDMATT4" and must be included in LEC's Connect:Direct software. AT&T will supply to GTE its RACF ID and password before the first transmission of data via Connect:Direct. Any changes to either Party's Connect: Direct Node ID must be sent to the other Party no later than twenty-one (21) calendar days before the changes take effect.
- 5.2 The following dataset format shall be used as applicable for those Charges transmitted via Connect:Direct in CABS format:

Production Dataset

AF25.AXXXXYYY.AZZZ.DDDEE	Production Dataset Name
--------------------------	-------------------------

AF25=	Job Naming Convention
AXXXX=	Numeric Company Code
YYY=	LEC Remote
AZZZ=	RAO (Revenue Accounting Office)
DDD=	BDT (Billing Data Tape with or without CSR) Or CSR (Customer Service Record)
EE=	01 thru 31 (Bill Period) (optional) Or GA (US Postal-State Code)

Test Dataset

AF25.ATEST.AXXXX.DDD	Test Dataset Name
AF25.ATEST=	Job Naming Convention
AXXXX=	Numeric Company Code
DDD=	BDT (Billing Data Tape with or without CSR) Or CSR (Customer Service Record)

5.2.1 GTE agrees that when it transmits data to AT&T in a mechanized format utilizing CABS, GTE will also comply with the following specifications which are not contained in CABS guidelines but which are necessary for AT&T to process Billing information and data:

- The BAN shall not contain embedded spaces or low values.
- The Bill Date shall not contain spaces or non-numeric values.
- Each Bill must contain at least one detail record.
- Any "From" Date should be less than the associated "Thru" Date and neither date can contain spaces.
- The Invoice Number must not have embedded spaces or low values.

6. Testing Requirements

GTE and AT&T shall adhere to the same testing requirements and specifications for transmitting Unbundled Network Element Bills as applicable to Local Service Bills, as set forth in Appendix A to this Attachment 6, Section 5 and as set forth in Section 5 of this Appendix B.

7. **Local Number Portability**

- 7.1 In accordance with the terms and conditions set forth in this Attachment 6, GTE shall record and provide to AT&T agreed upon detail information associated with a call to an AT&T local exchange customer whose telephone number has been ported from GTE under INP (Interim Number Portability) as further described in the Local Number Portability Attachment to this Agreement.
- 7.2 When an IXC terminates an InterLATA or IntraLATA toll call to an AT&T local exchange customer whose telephone number has been ported from GTE via INP, the Parties agree that AT&T shall receive compensation for IXC access charges associated with these calls as specified in section 43.3.5 of the Agreement, and Attachment 8 and Attachment 14 to the Agreement. When a call for which access charges are not applicable is terminated to an AT&T local exchange customer whose telephone number has been ported from GTE, the Parties agree that the mutual compensation arrangements described in this Agreement shall apply.

ATTACHMENT 6C

INTERCONNECTION BILLING AND RECORDING

TABLE OF CONTENTS

APPENDIX C.....	1
INTERCONNECTION BILLING AND RECORDING.....	1
1. General.....	1
2. Meet Point Billing.....	1
3. Reciprocal Compensation	3
4. Issuance of Meet Point Billing Data and Mutual Billing Data	4
5. Testing Requirements	4

APPENDIX C

INTERCONNECTION BILLING AND RECORDING

1. General

This Section describes the Meet Point Billing and Reciprocal Compensation requirements applicable when AT&T is interconnected to GTE network facilities.

2. Meet Point Billing

- 2.1 AT&T and GTE will establish meet-point billing ("MPB") arrangements in accordance with the Meet Point Billing guidelines adopted by and contained in the OBF's MECAB and MECOD documents. Both Parties will use their best reasonable efforts, individually and collectively, to maintain provisions in their respective federal and state access tariffs, and/or provisions within the National Exchange Carrier Association ("NECA") Tariff No. 4, or any successor tariff to reflect the MPB arrangements identified in this Agreement, in MECAB and in MECOD.
- 2.2 AT&T and GTE will implement the "Multiple Bill/Multiple Tariff" option in order to bill any interexchange carrier ("IXC").
- 2.3 GTE and AT&T shall provide to each other the billing name, billing address, and carrier identification code ("CIC") of the IXCs that may utilize any portion of each other's network in an AT&T/ILEC MPB arrangement in order to comply with the MPB Notification process as outlined in the MECAB document. Such information shall be provided to each other in the format and via the medium that the parties agree. If either party does not initially record sufficient bill detail for any IXC for whom either party must supply to the other MPB billing information, each party agrees that it will assist each other in resolving these billing matters by providing sufficient billing detail to the other party to allow that party to obtain reimbursement from the IXC. GTE and AT&T shall require any new IXC to notify both GTE and AT&T using the existing ASR process in accordance with MECOD ordering guidelines.
- 2.4 GTE and AT&T agree that in a MPB arrangement where one Party provides local transport and the other Party provides the end office switching, the Party who provides the end office switching is entitled to bill any residual interconnection charges ("RIC") and common carrier line ("CCL") charges associated with the traffic or such other charges(s) as replace(s), supplements(s) or supersede(s) the RIC and/or the CCL. The Parties further agree that in those MPB situation where one Party sub-tends the other Party's

access tandem, the Party providing the access tandem is only entitled to bill the access tandem fee and any associated local transport charges, as appropriate, and such other applicable charges that are FCC/PSC mandated, tariff specified, or are mutually agreed upon by both GTE and AT&T. The Parties also agree that the Party who provides the end office switching is entitled to bill end office switching fees, local transport charges, RIC and CCL charges, as appropriate, and such other applicable charges that are FCC/PSC mandated, tariff specified, or mutually agreed upon by both GTE and AT&T. The Parties also agree that the Party who provides the end office switching is entitled to bill end office switching fees, local transport charges, RIC and CCL charges or such other charge(s) as replace(s), supplement(s) or supersede(s) the RIC and/or the CCL, as appropriate, and such other applicable charges.

- 2.5 GTE and AT&T will create and transmit MPB information in accordance with the standards and in the format set forth in this Attachment. GTE and AT&T will coordinate and exchange the billing account reference ("BAR") and billing account cross reference ("BACR") numbers for the MPB arrangements described in this Attachment. Each Party will notify the other if the level of billing or other BAR/BACR elements change, resulting in a new BAR/BACR number.
- 2.6 If MPB data is not processed and delivered by either GTE or AT&T and in turn such Party is unable to bill the IXC for the appropriate charges, the Party who failed to deliver the data will be held liable for the amount of the unbillable charges.
- 2.7 If MPB data to be provided in the 1101 call detail records is not submitted within fifteen (15) days of the call date, or if MPB data to be provided in 1150 summary billing records is not submitted within fifteen (15) days of billing the IXC, or if any of the above data is not in the proper format as set forth in this Attachment, and if as a result the other Party is delayed in billing the IXC for the appropriate charges it incurs, the delaying Party shall pay the other Party a late MPB data delivery charge which will be calculated by applying the Late Payment Charge provisions contained in Section 2.4 of Attachment 6 to this Agreement to the appropriate delayed MPB charges.
- 2.8 Errors in MPB data exchanged by the Parties may be discovered by AT&T, GTE or the billable IXC. Both AT&T and GTE agree to provide the other Party with notification of any discovered errors within five (5) business days of the discovery. The other Party shall correct the error for processing current data within fifteen (15) business days of notification and correct and resubmit any prior period data within twenty (20) business days of notification. In the event that the erroneous data cannot be corrected and resubmitted within the time period specified above, the erroneous data shall be considered lost. If MPB

data is lost due to inconvertible errors or otherwise, the Parties shall follow the procedures set forth in the Customer Billing Data Attachment of this Agreement and compensate the other for the lost MPB billing data.

2.9 [Intentionally left blank]

2.10 Neither AT&T nor GTE will charge the other for services rendered, or for information required for Collocation as set forth in this Attachment except those MPB charges specifically set forth herein. Both Parties will provide the other a single point of contact to handle any MPB questions.

3. Reciprocal Compensation

3.1 The Parties shall bill each other reciprocal compensation in accordance with the standards set forth in this Agreement for traffic terminated to the other Party's customer, where both such customers bear NPA-NXX designations associated with the same LATA or other authorized area (e.g., extended area service zones in adjacent LATAs), including those traffic types that have been traditionally referred to as "local calling", as "extended area service (EAS)", and as "intraLATA toll". Where GTE is the recording company, such traffic shall be recorded and transmitted to AT&T in accordance with this Attachment. Further, the traffic exchanged pursuant to this Attachment shall be measured in billing minutes of use and shall be in actual conversation seconds. The total conversation seconds per chargeable traffic type will be totaled for the entire monthly billing cycle and then rounded to the next whole conversation minute. Reciprocal compensation for the termination of this traffic shall be charged at rates specified in Part V and Attachment 14.

3.2 In lieu of the reciprocal compensation arrangement described above and where permitted by state law or Commission regulation or order, the Parties may elect in writing to adopt a bill and keep compensation arrangement or such other mutually agreed upon compensation arrangement.

3.3 GTE shall bill AT&T for any Interconnection Service, supplied by GTE to AT&T, pursuant to this Agreement at the rates set forth in this Agreement or as specified in the appropriate Interstate or Intrastate Access Tariff. GTE will bill AT&T based on the actual Interconnection Service Charges incurred, provided, however, for those usage based Interconnection Charges where actual charge information is not determinable by GTE because the jurisdiction, (i.e., interstate, interstate/interLATA, intrastate, intrastate/intraLATA, local) of the traffic is unidentifiable, the Parties will jointly develop a process to determine the appropriate charges.

- 3.4 AT&T shall bill GTE for any Interconnection Service, supplied by AT&T to GTE, pursuant to this Agreement at the rates set forth in this Agreement or as specified in the appropriate Interstate or Intrastate Access Tariff. AT&T will bill GTE based on the actual Interconnection Service Charges incurred, provided, however, for those usage based Interconnection Charges where actual charge information is not determinable by AT&T because the jurisdiction, (i.e., interstate, interstate/interLATA, intrastate, intrastate/intraLATA, local) of the traffic is unidentifiable, the Parties will jointly develop a process to determine the appropriate charges.

4. **Issuance of Meet Point Billing Data and Mutual Billing Data**

- 4.1 GTE and AT&T shall exchange the information and data required to implement Section 2 of this Appendix (i.e. Meet Point Billing information) and Section 3 of this Appendix (i.e. Reciprocal Compensation) in such forms and format as comply with industry standards or as mutually agreed between the Parties. Where feasible, and specifically for EMR format records, this information shall be exchanged via Connect: Direct as provided in Section 2.5 of this Attachment.

5. **Testing Requirements**

The Parties shall adhere to the same testing requirements and specifications for transmitting Meet Point Billing data and Reciprocal Compensation EMR data as applicable to the recording of Call Information as set forth in Section 2.5 of this Attachment. Other forms and formats of data to be exchanged shall adhere to the testing requirements as mutually agreed to by the Parties, or in compliance with appropriate industry standards once they have been developed and implemented by the Parties.

ATTACHMENT 7

PROVISION OF CUSTOMER USAGE DATA

TABLE OF CONTENTS

PROVISION OF CUSTOMER USAGE DATA	1
1. Introduction	1
2. General Requirements for Recorded Usage Data	1
3. Usage Data Specifications	1
4. Recorded Usage Data Format	2
5. Recorded Usage Data Reporting Requirements	3
6. Recording Failures	4
7. Charges	6
8. Local Account Maintenance	6
9. Clearinghouse Procedures	6
APPENDIX I	7
SECTION I: SCOPE	8
SECTION II: RECORDED USAGE TO BE TRANSMITTED TO AT&T	9
SECTION III: GTE TO AT&T USAGE FEED	10
SECTION IV: AT&T PROCESSING REQUIREMENTS	15
SECTION V: TEST PLANS AND ACTIVITIES	17
SECTION VI: POST DEPLOYMENT ACTIVITIES	19
SECTION VII: APPENDICES	23
APPENDIX II	2

PROVISION OF CUSTOMER USAGE DATA

1. Introduction

- 1.1 This Attachment sets forth the terms and conditions for GTE's provision of recorded usage data (as defined in this Attachment) to AT&T. Recorded Usage Data shall be provided by GTE to AT&T when AT&T purchases Network Elements, **Combinations**, or Local Services from GTE. To the extent sections contained in this Attachment set forth technical references and/or performance standards, GTE's obligation to comply with such references and/or standards shall be subject to Section 23.19 of the General Terms and Conditions of this Agreement.

[Combinations]

2. General Requirements for Recorded Usage Data

- 2.1 GTE shall provide AT&T with Recorded Usage Data in accordance with this Attachment.
- 2.2 GTE's provision of Recorded Usage Data to AT&T shall be in accordance with AT&T's Direct Measures of Quality (DMOQs) set forth in Attachment 12.
- 2.3 GTE shall retain Recorded Usage Data in accordance with applicable law and regulation.

3. Usage Data Specifications

- 3.1 To the extent that GTE records such information for itself, GTE will record usage originating from AT&T Customers using the GTE provided Element or Local Services, which include intraLATA toll and local usage. Recorded Usage Data includes, but is not limited to, the following categories of information:
- Call Attempts
 - Completed Calls
 - Use Of CLASS/LASS/Custom Features
 - Calls To Information Providers Reached Via GTE Facilities And Contracted By GTE
 - Calls To Directory Assistance Where GTE Provides Such Service To An AT&T Customer
 - Calls Completed Via GTE Provided Operator Services Where GTE Provides Such Service To AT&T's Local Service Customer

- For GTE Provided CENTRANET Service, Station Level Detail for calls outside the CENTRANET group
- Records Shall Include Complete Call Detail And Complete Timing Information
- Recording Of Completed Calls Which GTE Does Not Record For Its Own Service Offerings (e.g., Flat Rate Free Calling Area Service)

In the event GTE does not record any one or more of the above information categories, for itself, AT&T may request that GTE record such information. If AT&T requests that GTE record such information and GTE agrees to do so, the Parties shall negotiate the terms and conditions upon which GTE shall deliver such information to AT&T. Nothing in this Agreement shall obligate GTE to record and deliver such information to AT&T.

- 3.2 GTE shall provide to AT&T Recorded Usage Data for AT&T Customers only in unrated format, except for rated incollects and except as provided in Section 3.3 following. GTE will not submit other carrier local usage data as part of the AT&T Recorded Usage Data.
- 3.3 Calls to information providers referenced in Section 3.1 preceding shall be provided to AT&T in rated format for billing to the customer.
- 3.3.1 The parties also agree to establish settlement procedures to permit AT&T to recourse to GTE amounts AT&T Customers refuse to pay for these rated information provider charges forwarded by GTE to AT&T for billing.
- 3.4 End user customer usage records and station level detail records shall be in packs in accordance with EMR standards.

4. **Recorded Usage Data Format**

- 4.1 GTE will provide Recorded Usage Data in the EMR format and by category, group and record type, as specified in the AT&T Customer Usage Data Transfer Requirements, March 1996 ("Data Requirements"), which is attached hereto and incorporated herein as Appendix II.
- 4.2 GTE shall include the Working Telephone Number (WTN) of the call originator on each EMR call record.
- 4.3 End user customer usage records and station level detail records shall be in packs in accordance with EMR standards.

5. **Recorded Usage Data Reporting Requirements**

- 5.1 GTE shall segregate and organize the Recorded Usage Data in accordance with AT&T's instructions.
- 5.2 GTE shall provide segregated Recorded Usage Data to multiple AT&T biller locations as designated by AT&T.
- 5.3 GTE shall transmit Data Requirements formatted Recorded Usage Data to AT&T via CONNECT:Direct as designated by AT&T. In the event that usage transfer cannot be accommodated by CONNECT: Direct because of extended (one business day or more) facility outages, or if facilities do not exist, the LSP will contract for a courier service to transport the data tapes. Data transported to AT&T on tape or cartridge via a courier will have the physical characteristics indicated in SUBAPPENDIX A. AT&T's intent is for variable block format (2476 bytes) with a LRLECL of 2472. The charge for said service shall be as set forth in Attachment 14.
- 5.3.1 GTE will provide AT&T with contacts for sending/receiving usage files.
- AT&T will provide GTE with contacts responsible for receiving usage transmitted by GTE and usages tapes from a courier service in the event of a facility outage.
- 5.4 AT&T will test and certify the CONNECT:Direct interface to ensure the accurate receipt of Recorded Usage Data. GTE shall make any changes necessary to pass the AT&T CONNECT:Direct certification process.
- 5.5 GTE shall provide Recorded Usage Data to AT&T within the time frames specified in Attachment 12.
- 5.6 GTE will establish a single point of contact to respond to AT&T call usage, data error, and record transmission inquiries.
- 5.7 The Recorded Usage Data EMR format, content, and transmission process will be tested as specified by AT&T.
- 5.8 When requested by AT&T for security purposes, GTE shall provide AT&T with Recorded Usage Data promptly. If not available in EMR format, the Recorded Usage Data may be provided in AMA format.

5.9 USAGE SUMMARY

Messages will be transmitted, via a direct feed, to AT&T in standard EMR format. The following is a list of EMR records that AT&T can expect to receive from the LSP:

Header Record	20-20-01
Trailer Record	20-20-02
Detail Records*	01-01-01, 06, 07, 08, 09, 16, 18, 31, 32, 33, 35, 37, 80, 81, 82, 83, 10-01-01, 06, 07, 08, 09, 16, 18, 31, 32, 35, 37, 80, 81, 82, 83
Credit Records	03-01-XX
Rated Credits	41-01-XX
Cancel Records	51-01-XX
Correction Records	71-01-XX

*Category 01 is utilized for Rated Messages; Category 10 is utilized for Unrated Messages

In addition, the LSP should provide a 42-50-01 Miscellaneous Charge record to support the Special Features Star Services (see Appendix II, Subappendix E for specific details) if these features are part of the LSP's resale product.

For detailed information regarding EMR, refer to the current version of the BellCore Practice BR010-200-010 document.

- 5.10 AT&T and GTE will track pack number to control input based upon invoice sequencing criteria. GTE will be notified of sequence failures identified by AT&T and resend procedures are to be invoked.
- 5.11 AT&T, upon receipt of cancel/connection records, will perform their current matching functionality to identify the original message to be connected/cancelled. Processing will be dependent upon individual negotiations.

6. Recording Failures

- 6.1 Loss of Recorded Usage Data - AT&T Recorded Usage Data determined to have been lost, damaged or destroyed as a result of an error or omission by GTE in its performance of the recording function shall, upon AT&T's request, be recovered by GTE at no charge to AT&T. In the event the data cannot be

recovered by GTE, GTE shall estimate the messages and associated revenue, with assistance from AT&T, based upon the method described below. This method will be applied on a consistent basis, subject to modifications agreed to by GTE and AT&T. This estimate will be used to adjust amounts AT&T owes GTE for services GTE provides in conjunction with the provision of Recorded Usage Data.

- 6.1.1 Partial Loss - GTE shall review its daily controls to determine if data has been lost. When there has been a partial loss, actual message and minute volumes shall be reported, if possible. Where actual data are not available, a full day shall be estimated for the recording entity, as outlined in Section 6.1.3 following. The amount of the partial loss is then determined by subtracting the data actually recorded for such day from the estimated total for such day.
- 6.1.2 Complete Loss - Estimated message and minute volumes for each loss consisting of an entire AMA tape or entire data volume due to its loss prior to or during processing, lost after receipt, degaussed before processing, receipt of a blank or unreadable tape, or lost for other causes, shall be reported.
- 6.1.3 Estimated Volumes - From message and minute volume reports for the entity experiencing the loss, GTE shall secure message/minute counts for the four (4) corresponding days of the weeks preceding that in which the loss occurred and compute an average of these volumes. GTE shall apply the appropriate average revenue per message ("ARPM") provided by AT&T to the estimated message volume to arrive at the estimated lost revenue. Within 45 business days of the Effective Date of this Agreement, the Parties will mutually agree on a minimum threshold for application of this Section 6.1.3. Section 6.1.3 will be modified as set forth below:
 - 6.1.3.1 If the day of loss is not a holiday but one (1) (or more) of the preceding corresponding days is a holiday, use additional preceding weeks in order to procure volumes for two (2) non-holidays in the previous two (2) weeks that correspond to the day of the week that is the day of the loss.
 - 6.1.3.2 If the loss occurs on a weekday that is a holiday (except Christmas), GTE shall use volumes from the two (2) preceding Sundays.
 - 6.1.3.3 If the loss occurs on Mother's Day or Christmas, GTE shall use volumes from that day in the preceding year (if available).
- 6.2 AT&T may also request data be provided that has previously been successfully provided by GTE to AT&T. GTE shall provide such data to the extent available subject to AT&T's agreement to pay relevant charges on a case-by-case basis.

7. **Charges**

GTE shall bill and AT&T shall pay the charges set forth in Part V and Attachment 14 for Recorded Usage Data. Billing and payment shall be in accordance with the applicable terms and conditions set forth in this Agreement.

8. **Local Account Maintenance**

- 8.1 When AT&T purchases Local Service from GTE, and, as appropriate, when AT&T purchases certain Unbundled Network Elements, GTE shall provide AT&T with Local Account Maintenance as described in Appendix III of this Attachment. These procedures are in addition to Service Order procedures set forth in Part I and Attachment 4 to this Agreement.

9. **Clearinghouse Procedures**

- 9.1 The Parties acknowledge that calls will be placed using the service of one Party that will be billable to customers of the other Party. In order to ensure that these calls are properly accounted for and billed to the appropriate customer, the Parties agree to work together and, when required, with other carriers, to establish clearinghouse procedures to accomplish these objectives. It is the intention of the Parties that these negotiations will be completed within six (6) months of the Effective Date of this Agreement. These procedures will establish the following:
- 9.1.1 AT&T shall have access to the Bellcore CMDS process for transmitting, receiving, and settling calling card, in-collect, and out-collect inter-region messages.
- 9.1.2 AT&T shall have access to the Bellcore company regional process for receiving and settling calling card, in-collect, and out-collect intra-region messages.
- 9.1.3 In the event a clearinghouse procedure is not in place upon the Effective Date of this Agreement, GTE will implement an interim arrangement with AT&T.

**APPENDIX I
TO
ATTACHMENT 7**

**CUSTOMER USAGE DATA
TRANSFER REQUIREMENTS**

SECTION I: SCOPE

1. General

This Appendix addresses the transmission by GTE of AT&T Customer usage to AT&T.

1.1 Usage Summary

Messages will be transmitted, via a direct feed, to AT&T in standard EMR format. The following is a list of EMR records that AT&T can expect to receive from GTE:

Header Record	20-20-01
Trailer Record	20-20-02
Detail Records*	01-01-01, 06, 07, 08, 09, 16, 18, 31, 32, 33, 35, 37, 80, 81, 82, 83
	10-01-01, 06, 07, 08, 09, 16, 18, 31, 32, 35, 37, 80, 81, 82, 83
Credit Records	03-01-XX
Rated Credits	41-01-XX
Cancel Records	51-01-XX
Correction Records	71-01-XX

*Category 01 is utilized for Rated Messages; Category 10 is utilized for Unrated Messages

In addition, GTE shall provide a Miscellaneous Charge 10 01 18 Specialized Service/Service Provider Charge record to support the Special Features Star Services (see Subappendix E for specific details) if these features are part of GTE's offering.

For detailed information regarding EMR, refer to the current version of the BellCore Practice BR010-200-010 Appendix.

2. Appendix Content

This Appendix describes baseline requirements for the transfer of GTE recorded, unrated usage to AT&T. Testing requirements and the reports needed to ensure data integrity are also included. Additional requirements and implementation details may be identified for conditions unique to GTE. Modifications and/or exceptions to this Appendix must be negotiated and mutually agreed upon by GTE and AT&T.

SECTION II: RECORDED USAGE TO BE TRANSMITTED TO AT&T

1. General

This section addresses the types of usage to be transmitted by GTE to AT&T.

9.1 Usage To Be Transferred To AT&T

9.1.1 AT&T Usage To Be Transferred

The following messages recorded by GTE are to be transmitted to AT&T. GTE recorded usage includes all usage by AT&T Customers.

NOTE: Rated incollect messages should be transmitted via the direct feed and can be intermingled with the unrated messages. No special packing is needed.

At the discretion of AT&T, any of the above mentioned messages that cannot be rated and/or billed by AT&T may be returned to GTE via a direct returns feed. Returned messages will be sent to GTE in EMR format. Standard EMR return codes will be utilized.

File transfer specifications are included within Section 3.

9.2 AT&T Usage

The Recorded Usage Data in a local resale environment includes all intraLATA toll and local usage. GTE will provide AT&T with unrated EMR records associated with all intraLATA toll and local usage which they record on AT&T's behalf. Any Category, Group and/or Record types approved in the future for GTE will be included if they fall within the definition of local service resale. AT&T shall be given notification of implementation of a new type within the negotiated timeframes.

NOTE: GTE messages will be packed using the packing criteria outlined in Section 3.4.8. It is important to note that all GTE messages will be packed together (intermingled) based on the appropriate AT&T Send To/Bill To RAO combination. Specific categories, groups, and record types will not be packed separately.

SECTION III: GTE TO AT&T USAGE FEED

1. General

This section contains the information required for GTE to transmit the usage defined in Section II to AT&T. This section specifically addresses the dataset requirements and processing.

9.1 Detailed EMR Record Edits

AT&T will perform detailed record edits on the unrated and rated messages upon receipt from GTE. Messages that fail these edits may be returned to GTE.

9.2 Duplicate Record Checks

AT&T will perform record checks on the unrated and rated messages to validate that duplicate messages are not sent by GTE to AT&T.

9.3 GTE to AT&T Usage Feed

9.3.1 Usage Data Transport Requirements

GTE will provide the transport facility between GTE location and the AT&T location. It is AT&T's intent that usage data be transmitted via CONNECT:Direct whenever possible. In the event usage transfer cannot be accommodated by CONNECT:Direct because of extended (one (1) business day or longer) facility outages, or if facilities do not exist, GTE will contract for a courier service to transport the data via tape.

GTE will provide AT&T with contacts, Remote Identifiers (IDs), and expected usage data volumes for each sending location.

AT&T will provide contacts responsible for:
Receiving usage transmitted by GTE.
Receiving usage tapes from a courier service in the event of a facility outage.

9.3.2 Physical Characteristics

Data transported to AT&T on tape or cartridge via a courier will have the physical characteristics indicated in Subappendix A. AT&T's intent is for variable block format (2,476 bytes) with a LRECL of 2472.

9.3.3 Data Delivery Schedules

Data will be delivered to AT&T by GTE daily (Monday through Friday) unless otherwise negotiated. AT&T and/or GTE Data Center holidays are excluded. GTE and AT&T will exchange schedules of designated Data Center holidays.

9.3.4 Resending Data

AT&T will notify GTE of resend requirements if a pack or entire dataset must be replaced due to pack rejection, damage in transit, dataset name failure, etc.

9.3.5 Pack Rejection

Critical edit failure on the Pack Header or Pack Trailer records will result in pack rejection (e.g., detail record count not equal to grand total included in the pack trailer). Notification of pack rejection will be made by AT&T within one (1) business day of processing. Rejected packs will be corrected by GTE and retransmitted to AT&T by GTE.

9.3.6 Held Packs And Messages

AT&T and GTE will track pack number to control input based upon invoice sequencing criteria. GTE will be notified of sequence failures identified by AT&T and resend procedures are to be invoked.

9.3.7 Data Content Requirements

EMR is the format to be used for usage data provided to AT&T.

9.3.8 RAO Packing Requirements

A pack shall contain a minimum of one message record or a maximum of 9,999 message records plus a pack header record and a pack trailer record. A file transmission contains a maximum of 99 packs. A dataset shall contain a minimum of one pack. GTE will provide AT&T one dataset per sending location, with the agreed upon RAO/OCN populated in the Header and Trailer records.

Within the Header and Trailer records, the FROM RAO identifies the location that will be sending usage to AT&T. GTE will populate the FROM RAO field with the unique numeric value identifying the location that is sending the data to AT&T. GTE will populate the Send To/Bill To RAO fields with the appropriate AT&T RAO values. Also, Pack Header and Trailer will have the OCN appropriately populated.

The FROM RAO, OCN, and Remote Identifiers will be used by AT&T to control invoice sequencing and each will have its own invoice controls. The FROM RAO will also be used to determine where the message returns file, containing any misdirected and unguidable usage, will be sent.

The file's Record Format (RECFM) will be Variable Block (VB) Size 2,476 and the Logical Record Length (LRECL) will be 2,472 bytes. Compaction requirements can be found in Subappendix B hereto.

AT&T has no special sort requirements for the packs sent by GTE.

9.3.9 Dataset Naming Convention

GTE will transmit the usage to AT&T using the following dataset naming conventions. The dataset name (DSN) will be partitioned into five nodes, separated by periods as follows:

NODE 1BBQ3PXNN*

NODE 2.IBMUP

NODE 3 (To be determined during negotiations)

NODE 4.USAGE

NODE 5.GNNNNV00* (Generational Dataset to be incremented by sender).

*The italicized "N" represents numeric fields determined during negotiations.

9.3.10 Control Reports

AT&T accepts input data provided by GTE in EMR format in accordance with the requirements and specifications detailed in this section of the attachment. In order to ensure the overall integrity of the usage being transmitted from GTE to AT&T, data transfer control reports will be required. These reports shall be provided by AT&T to GTE on a daily or otherwise negotiated basis and reflect the results of the processing for each pack transmitted by GTE.

9.3.11 Message Validation Reports

AT&T will provide the following three (3) daily (or otherwise negotiated) Message Validation reports to the designated GTE System Control Coordinator. These reports will be provided for all data received within GTE Local Resale Feed and will be transmitted Monday through Friday whether or not there have been any files transmitted.

9.3.11.1 Message Validation Pack Reject Report (A7287)

This report provides information on packs rejected by AT&T. It lists the header and trailer record of each rejected pack and indicates the error codes and the associated error message which explains why the pack was rejected.

An example of the report and a list of Valid Error Codes and associated error messages are provided in Subappendix B hereto.

9.3.11.2 Message Validation Pack Accepted Report (A7288)

This report provides vital statistics and control totals by Record ID, Type of Service, Message Counts and Record Counts, for all valid, rejected and dropped messages. The information is provided in the following report formats and control levels:

1. RLEC Total Messages
2. RLEC Total Records
3. RAO Total Messages
4. RAO Total Records
5. Pack Total (Record Counts and Message Counts)

The first four report formats include percentages that indicate the relationship of the daily input volume by Record ID and Type of Record to the total input volume provided by an RAO and GTE.

An example of the report is provided in Subappendix C hereto.

9.3.11.3 Message Validation EMR Detail Error Report (A7289)

An EMR detailed error report is generated for each pack/ invoice that is received and processed by AT&T. The report lists, in vertical format, the complete 175 byte EMR record that has failed to pass the initial edit criteria. It prints this detailed information only for the first five EMR records that share a common error condition. The error condition is flagged on the report by one of two possible error codes preceding the field value. The error codes are:

- (C) DENOTES CRITICAL ERRORS
- (I) DENOTES INFORMATION ERRORS

The last two pages of the report for a given pack/invoice provide the following control totals:

Total Errors for each Field
Total Records Received

Total Records Dropped

Total Records Rejected to MIU

Pack Reject Rate

Total Default Count (represents the number of Files on all of the input records that had to be programmatically altered to meet the EMR standards and specifications.)

If the entire pack/invoice has been rejected because of a Critical Error Rate greater than 0.5%, the last page of the report will display such a statement enclosed in asterisks.

An example of the report is provided in Subappendix D hereto.

9.3.11.4 Control Reports - Distribution

Since GTE is not receiving control reports, dataset names will be established during detailed negotiations.

SECTION IV: AT&T PROCESSING REQUIREMENTS

1. General

This section contains requirements for AT&T processing of Recorded Usage Data that has been transmitted to AT&T for billing.

9.1 AT&T Rating Process

9.1.1 Message Rating

AT&T will rate any individual messages (as defined in Section II), that have not already been rated by GTE (information provider messages will be rated by GTE), prior to transmitting the usage to a billing environment within AT&T.

9.1.2 Application Of Taxes/Fees/Surcharges

AT&T will apply taxes, fees and surcharges as appropriate for the individual messages and/or customer accounts. The application of all taxes, fees and surcharges will be applied on all intraLATA local and toll usage received from GTE.

9.1.3 Duplicate Messages

AT&T has existing duplicate checks as part of their message processing or billing functions. AT&T will perform these checks on the rated/unrated messages sent pursuant to GTE duplicate message disposition procedures and reports will be identified by AT&T during negotiations.

9.1.4 Record Edits

9.1.4.1 AT&T Record Edits

AT&T will perform detailed record edits on the rated and unrated messages prior to transmitting them to the billing environment. Rated and unrated records that do not pass AT&T edits will be returned to GTE.

9.1.4.2 GTE Record Edits

If GTE has existing detailed record edits for rated and unrated messages, GTE is to perform these edits.

Rated and unrated records that do not pass AT&T edits will be returned to

GTE. GTE will attempt to perform error correction on all records requiring such action as agreed upon through the detailed negotiations process.

9.1.5 AT&T To GTE Message Returns

At the discretion of AT&T, customer usage data sent to AT&T by GTE that cannot be guided to an AT&T billed account or that cannot be processed will be returned to GTE with the appropriate industry standard return codes.

9.1.6 Cancel/Correction Records

AT&T, upon receipt of cancel/correction records, will perform their current matching functionality to identify the original message to be canceled/corrected. (Processing will be dependent upon individual negotiations.)

SECTION V: TEST PLANS AND ACTIVITIES

1. General

This section defines GTE and AT&T activities which are required prior to implementation. The tests and activities described are necessary to ensure a smooth, accurate and well-programmed conversion. Specific test dates will be identified through the negotiations process.

9.1 Interface Testing

The Parties agree to usage interface testing between GTE and AT&T. The purpose of this test is to ensure that the usage described in Section II preceding can be sent by either Party and can be accepted and processed by the other Party. GTE will provide a test file to AT&T's designated Regional Processing Center (RPC) in the format that will be used for live day-to-day processing. The file will contain one (1) full day's production usage. The format of the file will conform to the requirements shown in Section III. AT&T will review the file and verify that it conforms to its data center requirements. AT&T will notify GTE in writing whether the format is acceptable. AT&T will also provide GTE with the agreed-upon control reports as part of this test.

AT&T will provide a test file to GTE's designated Regional Processing Center (RPC) in the format that will be used for live day-to-day processing. The file will contain one (1) full day's production usage. The format of the file will conform to the requirements shown in Section III. GTE will review the file and verify that it conforms to its data center requirements. GTE will notify AT&T in writing whether the format is acceptable. GTE will also provide AT&T with the agreed-upon control reports as part of this test.

9.2 Operational Test

The purpose of this test is to ensure that volumes of usage in consecutive sequence can be extracted, distributed, and processed by GTE and AT&T.

GTE is required to provide AT&T with GTE recorded, unrated usage (as defined in Section 2) for a minimum of five (5) consecutive days. AT&T will provide GTE with the message validation reports associated with test usage.

AT&T will rate and process the unrated intraLATA toll and local usage. AT&T will process this data to test bills. AT&T may request that the test usage contain specific usage volumes and characteristics to ensure a complete test.

Specific usage volumes and characteristics will be discussed during detailed negotiations.

9.3 Test File

Test data should be transported via CONNECT:Direct whenever possible. In the event that courier service must be used to transport test media, the physical tape characteristics to be used are described in Subappendix A hereto.

SECTION VI: POST DEPLOYMENT ACTIVITIES

1. General

Requirements for ongoing maintenance of the usage feeds between AT&T and GTE are described in this section. Included are minimal requirements for day to day control of the regularly scheduled transfer of GTE unrated and rated usage data and procedures for introducing and verifying AT&T/GTE System Changes.

9.1 Control Maintenance And Review

9.1.1 Periodic Review

Control procedures for all usage transferred between GTE and AT&T will require periodic review. This review may be included as part of an annual audit of GTE by AT&T or as part of the normal production interface management function. Breakdowns which impact the flow of usage between GTE and AT&T must be identified and jointly resolved as they occur. The resolution may include changes to control procedures, as similar problems would be avoided in the future. Any changes to control procedures would need to be mutually agreed upon by AT&T and GTE.

9.1.2 Retention of Records

Data back-up will be retained for forty-five (45) days. GTE shall maintain a machine-readable back-up copy of the message detail provided to AT&T for a minimum of forty-five (45) calendar days. AT&T will maintain the message detail received from GTE for a minimum period of forty-five (45) calendar days. Designated AT&T personnel will provide these records to GTE or its authorized agents upon written request. GTE will also provide any data back to AT&T upon their written request.

9.2 GTE Software Changes

When GTE plans to introduce any software changes which impact the format or content structure of the usage data feed to AT&T, designated GTE personnel will notify AT&T no less than one hundred twenty (120) calendar days before such changes are implemented.

GTE will communicate the projected changes to the appropriate groups in AT&T so that potential impacts on AT&T processing can be determined.

AT&T personnel will review the impact of the change on the entire control structure as described in Section 1.5, Post Conversion Test Plan, herein. AT&T will negotiate any perceived problems with GTE and will arrange to have the data tested utilizing the modified software.

If it is necessary for GTE to request changes in the schedule, content or format of usage data transmitted to AT&T, GTE will notify AT&T.

9.3 AT&T Requested Changes

If it is necessary for AT&T to request changes in the schedule, content, or format of the usage data transmitted from GTE, AT&T will notify GTE.

When the negotiated changes are to be implemented, AT&T and/or GTE will arrange for testing of the modified data as described in Section 1.5, Post Conversion Test Plan.

9.4 AT&T Software Changes

When AT&T plans to introduce any software changes which may impact the format or content structure of the usage data transmitted from GTE, AT&T will notify the designated GTE personnel, no less than one hundred twenty (120) calendar days before such changes are implemented.

The AT&T contact will communicate the projected changes to the appropriate groups in GTE so that potential impacts on GTE processing can be determined.

AT&T will negotiate any perceived problems with GTE and will arrange to have the data tested utilizing the modified software.

Altering the one hundred twenty (120) day window for introducing software changes can be negotiated by both companies, dependent upon the scope and impact of the change.

9.5 Post-Conversion Test Plan

The test plan described below is designed to encompass all types of changes to the usage data transferred by GTE to AT&T and the methods of transmission for that data.

9.5.1 GTE System Change Description

For a GTE system change, GTE shall provide AT&T with an overall

description of the change, stating the objective and a brief explanation of the reasons for the change.

During the initial negotiations regarding the change, GTE shall provide a list of the specific records and/or systems impacted by the change to designated AT&T personnel.

Finally, GTE shall also provide AT&T a detailed description of the changes to be implemented. It shall include sufficient detail for designated AT&T personnel to analyze and estimate the effects of the changes and to design tests to verify the accuracy of the implementation.

9.5.2 Change Negotiations

GTE and AT&T will provide mutual written change notifications. AT&T shall be notified in writing of all proposed change negotiations initiated by GTE. In turn, AT&T will notify GTE of proposed change negotiations initiated by AT&T.

After formal notification of planned changes, whether originated by GTE or AT&T, designated AT&T personnel will schedule negotiation meetings as required with designated GTE personnel. The first meeting should produce the overall change description (if not previously furnished) and the list of records and/or systems affected.

In subsequent meetings, GTE shall provide the detailed description of changes to be implemented. After reviewing the described changes, designated AT&T personnel will negotiate a detailed test procedure with GTE.

9.5.3 Control Change Analysis

Based on the detailed description of the changes provided by GTE, and the review of the projected changes by AT&T, designated AT&T personnel will:

- 9.5.3.1 Determine the impact of the changes on the overall structure.
- 9.5.3.2 Determine whether any single change has a potential control impact (i.e., high error rate on individual records that might result in pack rejection).
- 9.5.3.3 Determine whether any controls might be adversely affected.
- 9.5.3.4 Arrange for appropriate control structure changes to meet any of the above conditions.

9.5.4 Verification Of Changes

Based on the detailed description of changes furnished by GTE, designated AT&T personnel will:

- 9.5.4.1 Determine the type of change(s) to be implemented.
- 9.5.4.2 Develop a comprehensive test plan.
- 9.5.4.3 Negotiate scheduling and transfer of modified data with GTE.
- 9.5.4.4 Negotiate testing of modified data with the appropriate AT&T RPC.
- 9.5.4.5 Negotiate processing of verified data through the AT&T billing system with the RPC.
- 9.5.4.6 Arrange for review and verification of testing with appropriate AT&T groups.
- 9.5.4.7 Arrange for review of modified controls, if applicable.
- 9.5.5 Introduction of Changes

When all the testing requirements have been met and the results reviewed and accepted, designated AT&T personnel will:

- 9.5.5.1 Negotiate an implementation schedule.
- 9.5.5.2 Verify the existence of a contingency plan with the appropriate AT&T personnel.
- 9.5.5.3 Arrange for the follow-up review of changes with appropriate AT&T personnel.
- 9.5.5.4 Arrange for appropriate changes in control program, if applicable.
- 9.5.5.5 Arrange for long-term functional review of impact of changes on the AT&T billing system, i.e., accuracy, timeliness, and completeness.

SECTION VII: SUBAPPENDICES

SUMMARY OF SUBAPPENDICES

Subappendix A

Physical Characteristics Of Data Tapes/
Cartridges

Subappendix B

Message Validation Pack Reject Report (A7287)

Subappendix C

Message Validation Pack Accepted Report (A7288)

Subappendix D

Message Validation EMR Detail Error Report (A7289)

Subappendix E

Special Features Star Services

SUBAPPENDIX A

PHYSICAL CHARACTERISTICS OF DATA TAPES/CARTRIDGES

Data transported to AT&T by GTE, or to GTE by AT&T, on tape or cartridge via a courier will have the following physical characteristics:

Tape:	9-track, 6250 (or 1600) BPI (Bytes per inch)
Cartridge:	38,000 BPI (Bytes per inch)
LRECL:	2,472 Bytes
Parity:	Odd
Character Set:	Extended Binary Coded Decimal Interchange Code (EBCDIC)
External labels:	Exchange Carrier Name, Dataset Name (DSN) and volume serial number
Internal labels:	IBM Industry OS labels will be used. They consist of a single volume label and two sets of header and trailer labels.
One file per sending with variable length records	104 bytes EMR compacted format plus location modules as applicable.

[illegible]

SUBAPPENDIX B (CONT'D)
MESSAGE VALIDATION PACK REJECT REPORT (A7287)

ERROR CODE	ERROR MESSAGES
EC01.2	First record after trailer is not a Pack Header.
EC03.2	From RAO is not numeric.
EC04.3	Invoice number on header invalid.
EC04.5	Company ID not numeric.
EC04.6	Independent company ID is not numeric.
EC04.7	Header Record ID is invalid.
EC04.8	Trailer Record ID is invalid.
EC04.9	Trailer Record count invalid.
EC05.0	Duplicate pack.
EC05.1	Old Pack.
EC05.2	RAO not found on table.
EC07.3	Error rate greater than invoice file threshold for RAO invoice number.
EC12.0	Remote ID in Dataset is not valid.
EC20.0	No detail records in pack.
EC13.0	Invalid status on Pack Header.
EC27.0	Pack exceeds limit of 9,999 detail records.
EC40.9	Pack Header record is missing.
EC41.0	Trailer record is missing.
EC42.0	Trailer message volume is not equal to accumulated message volume.
EC44.0	Header/Trailer date is invalid.
EC45.0	From RAO on Trailer Record is not equal to the from RAO on Header Record.
EC48.0	Invoice number on Trailer Record is not equal to the invoice number on the Header Record.

SUBAPPENDIX C - MESSAGE VALIDATION PACK ACCEPTED REPORT (A7288)

MM/DD/YY-----HH:MM:SS
RETEN CODE: 01R-00300

COMPANY XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX FROM RAO INVOICE NO. DATE CREATED
TOTAL RECORDS RECEIVED

-----999-----99-----MM/DD/YY-----
-----ZZ.ZZ9

COUNTS-----MESSAGE COUNTS -----RECORD
RECORD ID TYPE OF RECORDVALID-----REJECTED---DROPPED---TOTAL-----VALID-----REJECTED--
--DROPPED---TOTAL

010102					OUTWATS (NON-SMDR)	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010103					OUTWATS (SMDR)	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010104					800 SERVICE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
					TOTAL WATS/800			

010101					MTS	ZZ.ZZ9	ZZ.ZZ9	
ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
010106					NON-DIAL CONFER BRIDGE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010107					NON-DIAL CONFER LEG RECORD	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010108					DIAL CONFERENCE BRIDGE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010111					ALLIANCE (AGTC)	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				

010116					DIAL-IT SERVICE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010132					DIRECTORY ASSISTANCE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010180					MARINE/AIRCRAFT	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010181					RADIO LINK	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010182					MARINE NON-DIAL CONFER BRIDGE	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010183					MARINE NON-DIAL CONFER LEG REC.	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
0101XX					OTHER MTS RECORDS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
TOTAL NORTH AMERICAN MTS								

010201					IOTC/IDDD MTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
0102XX					IOTC/IDDD OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010301					IOTC BFC MTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
0103XX					IOTC BFC OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010401					IOC MTS		ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
0104XX					IOC OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
010501					IOC MTS		ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
0105XX					IOC OTHERS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9				
TOTAL OVERSEAS MTS								

015002				OUTWATS LINE SUMMARY	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
015004				800 LINE SUMMARY	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
015032				DIR. ASSISTANCE LINE SUMMARY	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
TOTAL OVERSEAS MTS							
03XXXX				CREDIT REQUESTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
51/52				CANCEL REQUESTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
71/72				CORRECTION REQUESTS	ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZ9
ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9	ZZ.ZZZ9			
INVALID RECORD IDENTIFICATION				ZZ.ZZ9		ZZ.ZZZ9	ZZ.ZZZ9
ZZ.ZZZ9							
PACK TOTALS			ZZ.ZZ9	ZZ.ZZ9ZZ.ZZ9	ZZ.ZZ9	ZZ.ZZZ9	ZZ.ZZZ9